WHAT IS CLAIMED IS:

1. (Currently amended). A method of forming a VCSEL having a plurality of layers, comprising:

forming an annular ohmic intracavity contact pad adjacent an optical cavity;
forming a mesa in at least a portion of said plurality of VCSEL layers in
accordance with said annular ohmic intracavity contact pad to expose an oxide aperture
layer, wherein forming said mesa comprises etching at least a portion of said plurality of
VCSEL layers using said annular ohmic intracavity contact pad as an etch mask to
define mesa sidewalls; and

oxidizing said oxide aperture layer to form an oxide aperture that is self-aligned with said annular ohmic intracavity contact pad.

- 2. (Currently amended). The method of claim 1 further comprising forming a photoresist layer adjacent said annular ohmic intracavity contact pad <u>prior to etching at least a portion of said plurality of VCSEL layers</u>, and wherein forming a mesa in at least a portion of said plurality of VCSEL layers comprises etching at least a portion of said plurality of VCSEL layers comprises etching at least a portion of said plurality of VCSEL layers using said annular ehmic intracavity contact pad as an etch mask to define mesa sidewalls.
- 3. (Original). The method of claim 1 further comprising forming an upper mirror adjacent said annular ohmic intracavity contact pad and said optical cavity.

- (Original). The method of claim 1 wherein said optical cavity comprises an active 4. region comprising one or more active layers.
- (Original). The method of claim 4 wherein said optical cavity further comprises a 5. delta doped upper cladding and wherein said ohmic contact is formed adjacent said delta doped upper cladding to reduce contact resistance of said annular ohmic contact.
- (Original). The method of claim 1 further comprising forming a dielectric spacer 6. layer adjacent said optical cavity.
- (Original). The method of claim 6 further comprising forming a multi-step 7. photoresist adjacent said dielectric spacer layer and patterning said multi-step photoresist to define a via in said dielectric spacer layer for formation of said annular ohmic intracavity contact adjacent said optical cavity.